



SPYWOLF

Security Audit Report



Completed on
July 2, 2022

MADE IN USA 

 @SPYWOLFNETWORK

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OVERVIEW

This audit has been prepared for **LaunchGamefi** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03-04
Featured Wallets	05
Vulnerability Check	06
Threat Levels	07
Found Threats	08-A/08-C
Good Practices	09
Tokenomics	10
Team Information	11
Website Analysis	12
Social Media & Online Presence	13
About SPYWOLF	14
Disclaimer	15



LaunchGamefi



PROJECT DESCRIPTION

According to their whitepaper:

LaunchGamefi will be a decentralized cross-chain infrastructure empowering project owners to launch NFT games and Metaverse projects. The platform will offer guaranteed fair-levels for exclusive access to NFT, GameFi and Metaverse IDO.

The \$LGF token is the native asset of the LaunchGamefi project and will be used for - staking collateral, staking rewards, participation in the Launchpad IDOs, base asset for cross-chain swaps, for lending and prediction purposes.

Release Date: Presale starts on July, 2022

Category: Launchpad

01



CONTRACT INFO

Token Name

LaunchGamefi Token

Symbol

LGF

Contract Address

0x9FF91730Ae7c860d6253081181afC1Dc11089f62

Network

Binance Smart Chain

Language

Solidity

Deployment Date

June 30, 2022

Verified?

Yes

Total Supply

1,000,000,000

Status

Not launched

TAXES

Buy Tax
none

Sell Tax
none

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of July 02, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000 LGF
Median Transfer Amount	1000000000 LGF
Average Transfer Amount	1000000000 LGF
First transfer date	2022-06-30
Last transfer date	2022-06-30
Days token transferred	1

SMART CONTRACT STATS

Calls Count	3
External calls	3
Internal calls	0
Transactions count	3
Uniq Callers	1
Days contract called	1
Last transaction time	2022-06-30 10:01:07 UTC
Created	2022-06-30 09:57:54 UTC
Create TX	0x9d2162f725808959c4c361aab20897b3b1e03bbce0acdf77e3aedd99bfb90a85
Creator	0x3faedaed2ae6d0e44c00c93e75b78cfa9d705cf1



FEATURED WALLETS

Owner address	0x3faedaed2ae6d0e44c00c93e75b78cfa9d705cf1
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS

1



100%

Same as owner

Tokens are not distributed yet



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can change buy fees up to 24%, sell fees up to 74%, transfer fees up to 25%.

If sell tax is set too high, selling may fail entirely on PancakeSwap.

```
function setTaxes(uint8 _sellTax, uint8 _buyTax, uint8 _transferTax) external onlyOwner {  
    require(_sellTax < 75);  
    require(_buyTax < 25);  
    require(_transferTax < 25);  
  
    sellTax = _sellTax;  
    buyTax = _buyTax;  
    transferTax = _transferTax;  
  
    emit changeTax(_sellTax, _buyTax, _transferTax);  
}
```

Owner can blacklist address, making it impossible to sell.
If liquidity pair is blacklisted, this will lead to inability to buy.

```
function setBlacklist(address _wallet, bool _status) external onlyOwner {  
    isBlacklist[_wallet] = _status;  
    emit changeBlacklist(_wallet, _status);  
}
```

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.
 - Considered as good transfers limitation practice is liquidity pair to be excluded from such limitations.



Low Risk

Owner can exclude address from taxes.

```
function setWhitelist(address _address, bool _status) external onlyOwner {  
    whitelistTax[_address] = _status;  
    emit changeWhitelistTax(_address, _status);  
}
```

Owner can set cooldown between sells up to 255 seconds.

```
function setCooldownForTrades(uint8 _tradeCooldown) external onlyOwner {  
    tradeCooldown = _tradeCooldown;  
    emit changeCooldown(_tradeCooldown);  
}
```



Low Risk

If the liquidity pair is excluded from marketingPool, transactions will be considered and taxed as transfers with transferTax.

```
function setMarketingPool(address _marketingPool) external onlyOwner {
    marketingPool = _marketingPool;
    emit changeMarketingPool(_marketingPool);
}

function _transfer(address sender, address receiver, uint256 amount)
    internal virtual override {
    .....
    if(whitelistTax[sender] || whitelistTax[receiver] ||
    sender == marketingPool || receiver == marketingPool) {
        taxAmount = 0;
    } else if(liquidityPool[sender] == true) {
        //It's an LP Pair and it's a buy
        taxAmount = (amount * buyTax) / 100;
    } else if(liquidityPool[receiver] == true) {
        //It's an LP Pair and it's a sell
        taxAmount = (amount * sellTax) / 100;
        require(lastTrade[sender] < (block.timestamp - tradeCooldown),
            string("No consecutive sells allowed. Please wait.));
        lastTrade[sender] = block.timestamp;
    } else {
        taxAmount = (amount * transferTax) / 100;
    }
    .....
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Launch Gamefi

GOOD PRACTICES FOUND

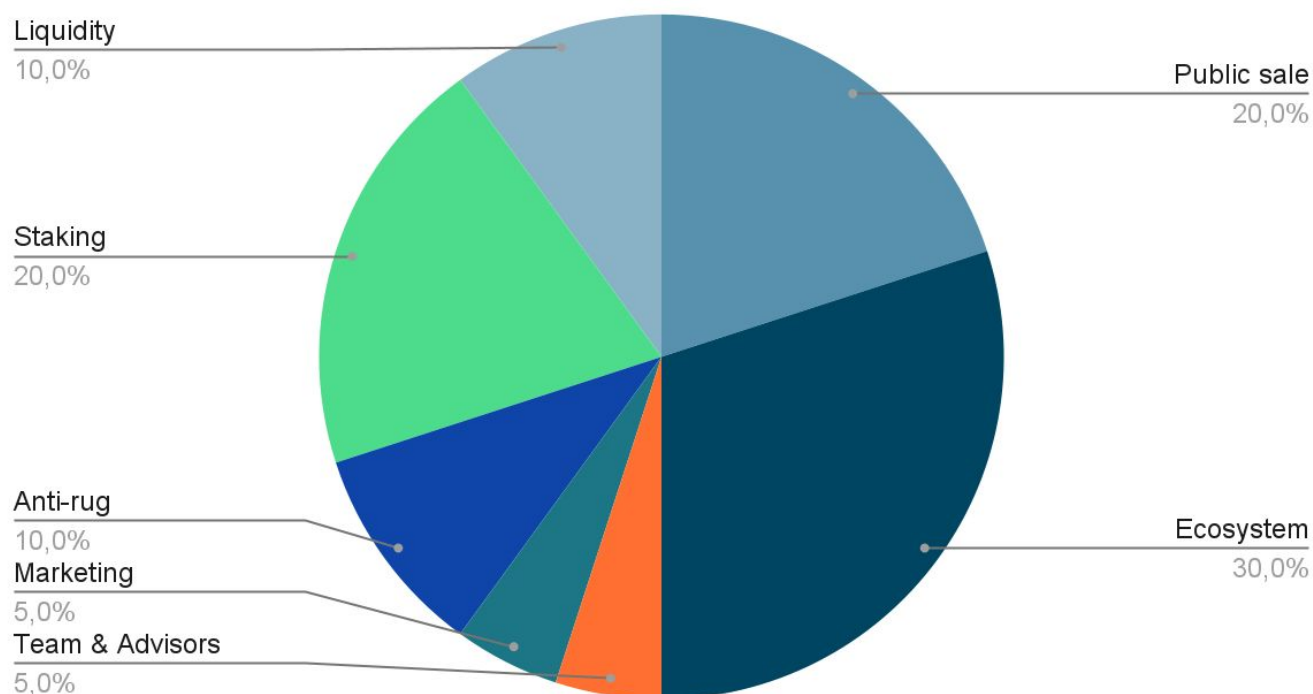
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner can set a transaction limit, but can't lower it than 1% of total supply
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



*The following tokenomics are based on the project's whitepaper and/or website:

- 20% - Public sale
- 30% - Ecosystem
- 5% - Team & Advisors
- 5% - Marketing
- 10% - Liquidity
- 20% - Staking
- 10% - Anti-rug

Tokens distribution



TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://launchgamefi.com/>

Domain Registry

<https://www.reg.com>

Domain Expiration

Expires on 2023-06-21

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Nice design, appropriate color scheme.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

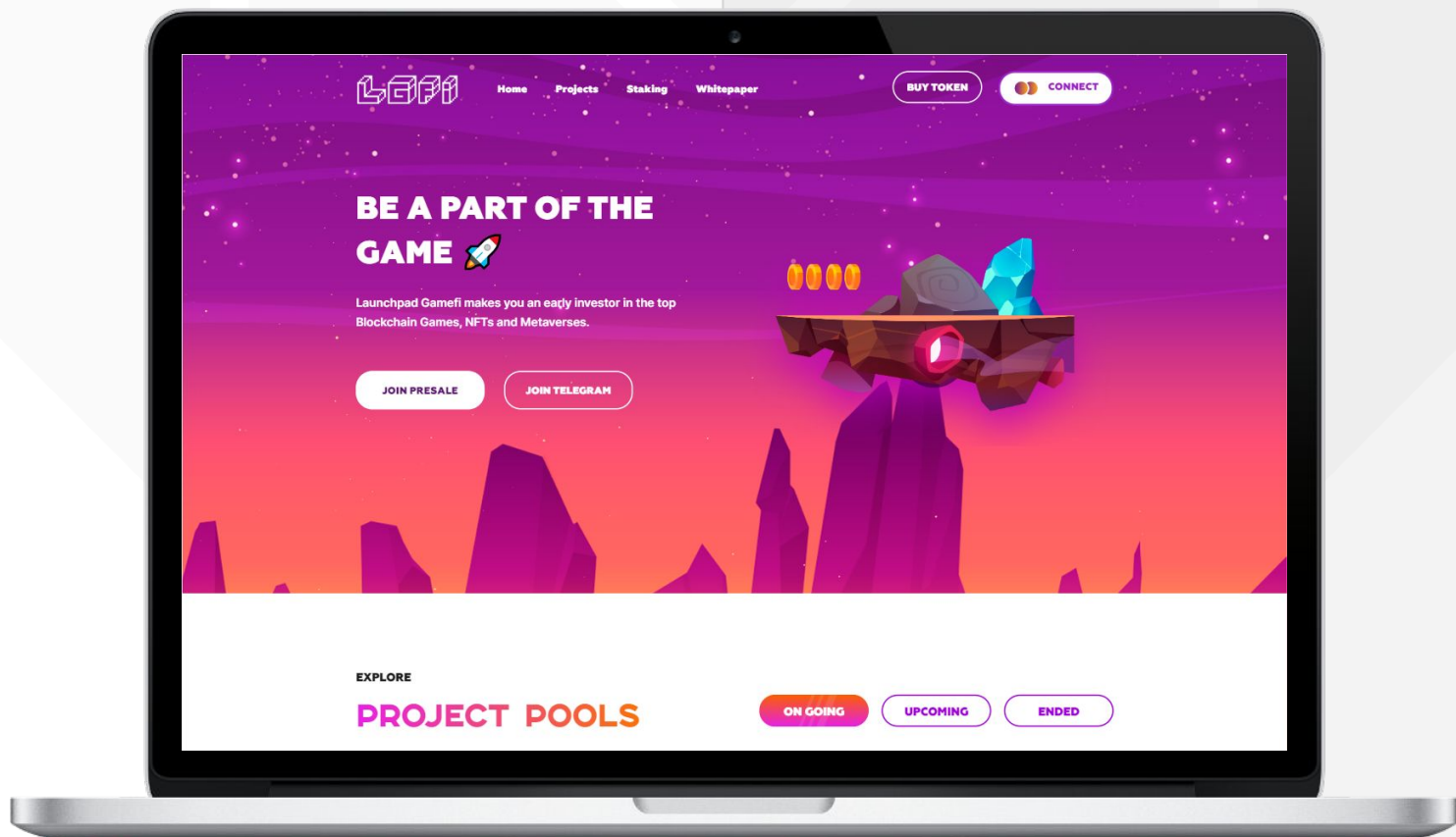
Well written, explanatory.

Roadmap

Yes, goals set at 3 phases with time frames.

Mobile-friendly?

Yes



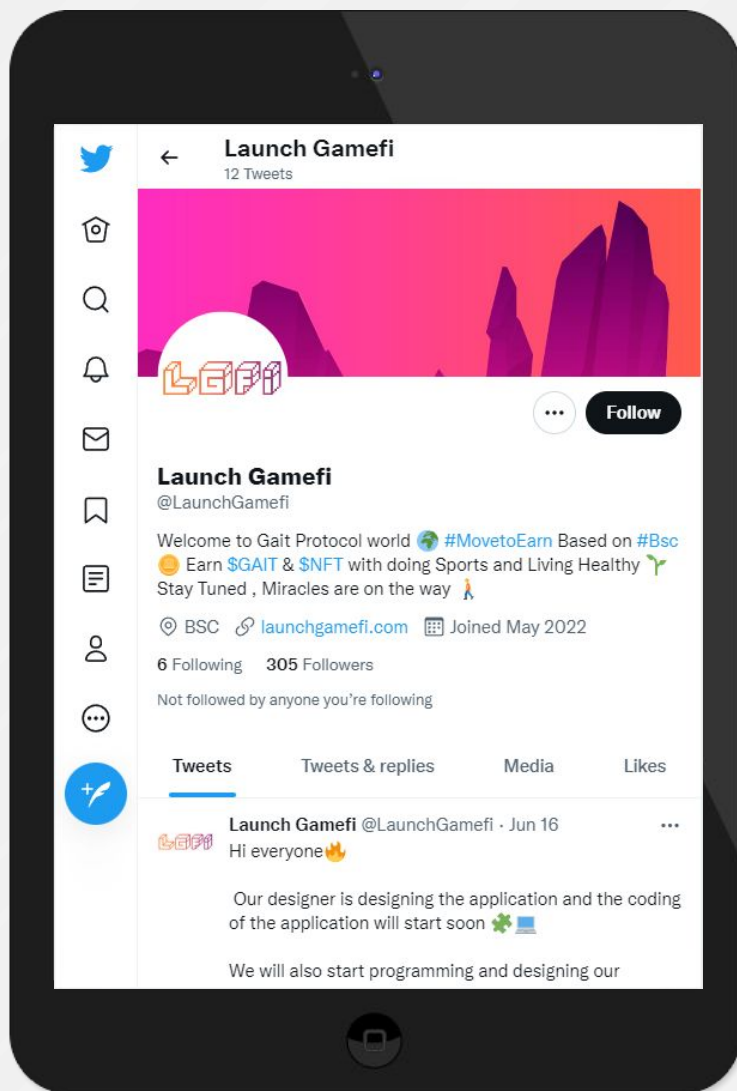
launchgamefi.com

SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Low overall activity in social media. Twitter has no tweets since June 16 and the Telegram Announcement group activity indicates presence of bot members. The Chat group has no activity yet.



Twitter

@LaunchGamefi

- 305 followers
- No tweets since June 16 (+15 days inactive)
- Few active followers



Discord

Discord link here

- Not available



Telegram

@launchgamefi

- 4001 members
- Recently active – last post in June 29
- Views per post indicates vast presence of bots ⚠️
- The chat group has no activity yet.



Medium

Medium link here

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.